Datasheet for ABIN701052

anti-HBEGF antibody (AA 51-150) (Biotin)

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Overview

Quantity:	100 µL
Target:	HBEGF
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HBEGF antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HB-EGF/DTSF
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	HBEGF
Alternative Name:	HB-EGF (HBEGF Products)
Background:	Synonyms: DTR, DTS, DTSF, HEGFL, Proheparin-binding EGF-like growth factor, HBEGF

Target Details

	Background: Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells. It is able to bind EGF receptor/EGFR with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.
Gene ID:	1839
UniProt:	Q99075
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Application Notes:	IHC-P 1:200-400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

Publications

Product cited in:	Nawaz, Aminuddin, Kado, Takikawa, Yamamoto, Tsuneyama, Igarashi, Ikutani, Nishida, Nagai, Takatsu, Imura, Sasahara, Okazaki, Ueki, Okamura, Tokuyama, Ando, Matsumoto, Mori, Nakagawa, Kobayashi, Saeki et al.: "CD206+ M2-like macrophages regulate systemic glucose

metabolism by inhibiting proliferation of adipocyte progenitors. ..." in: **Nature communications**, Vol. 8, Issue 1, pp. 286, (2018) (PubMed).

